

We claim:

1. A laminate comprising:
  - (a) a first layer of a nonwoven fabric having a fire retardant additive applied thereto; and
  - (b) a second layer containing a flame resistant polymeric film.
2. The laminate of claim 1, wherein the nonwoven fabric is spunlace fabric.
3. The laminate of claim 2, wherein the spunlace fabric comprises cellulose fibers and manmade fibers.
4. The laminate of claim 2, wherein the spunlace fabric comprises cellulose fibers and polyester fibers.
5. The laminate of claim 2, wherein the spunlace fabric comprises wood pulp fibers and polyester fibers.
6. The laminate of claim 1, wherein the laminate has a thickness ranging from about 0.001 to about 0.5 inches.

7. The laminate of claim 1, wherein the first and second layer are joined together by an adhesive.
8. The laminate of claim 1, wherein the first and second layers are joined together by ultrasonic lamination, R.F. sealing, adhesive lamination, or heat bonding with pressure.
9. The laminate of claim 1, wherein the polymeric film is halogenated.
10. The laminate of claim 1, wherein the polymeric film comprises polyvinyl chloride.
11. The laminate of claim 1, wherein the polymeric film has a thickness ranging from about 0.3 to about 8.0 mils.
12. The laminate of claim 1, wherein the fire retardant additive is ammonium polyphosphate, ammonium dihydrogen phosphate, urea polyammonium phosphate, antimony trioxide, sodium antimonate, zinc borate, a zirconium oxide, a molybdenum oxide, a zirconium sulfide, or a molybdenum sulfide.
13. The laminate of claim 1, wherein the fire retardant additive is a chlorinated paraffin, tetrabromobisphenol-A, decabromodiphenyl oxide, hexabromodiphenyl oxide,

pentabromobiphenyl oxide, pentabromotoluene, pentabromoethylbenzene, hexabromobenzene, pentabromophenol, tribromophenol derivatives, perchloropentanecyclodecane, hexabromocyclodecane, tris(2,3-dibromopropyl-1)isocyanurate, tetrabromobisphenol-S, 1,2-bis(2,3,4,5,6-pentabromophenoxy)ethane, 1, 2-bis(2,4,6-tribromophenoxy)ethane, a brominated styrene oligomer, 2,2-bis-(4(2,3-dibromopropyl)-3,5-dibromophenoxy)propane, tetrachlorophthalic anhydride, and tetrabromophthalic anhydride.

14. The laminate of claim 1, wherein the fire retardant additive is applied to the first layer at about 5 to about 45 percent by weight of the first layer.

15. The laminate of claim 1, that passes NFPA 701-1989, has at least 12.0 lbs of grab tensile according to INDA IST 110.3-92, and a Suter hydrostatic head of at least 50cm.

16. A protective garment formed of the laminate of claim 1.

17. A laminate comprising:

- (a) a first layer of a spunlace fabric containing cellulose and manmade fibers, the first layer having a fire retardant additive applied thereto;
- (b) a second layer of a polyvinyl chloride film.

18. The laminate of claim 17, wherein said first and second layers are joined together by an adhesive.

19. The laminate of claim 17, wherein the laminate has a thickness ranging from about 0.001 to about 0.5 inches.

20. The laminate of claim 17, wherein the fire retardant additive is ammonium polyphosphate, ammonium dihydrogen phosphate, urea polyammonium phosphate, antimony trioxide, sodium antimonate, zinc borate, a zirconium oxide, a molybdenum oxide, a zirconium sulfide, or a molybdenum sulfide.

21. The laminate of claim 17, wherein the fire retardant additive is applied to the first layer at about 5 to about 45 percent by weight of the first layer.

22. The laminate of claim 17, that passes NFPA 701-1989, has at least 12.0 lbs. of grab tensile according to INDA IST 110.3-92, and a Suter hydrostatic head of at least 50cm.

23. A protective garment formed of the laminate of claim 17.